

15(2)

AUTHORS:

Voronin, N. I., Gorodetskiy, V. S., SOV/131-59-6-8/15
Levchuk, V. V.

TITLE:

On the Heat Resistance of the Corundum Mass at High
Temperatures (O termostoykosti korundovykh mass pri
vysokoy temperature)

PERIODICAL:

Ogneupory, 1959, Nr 6, pp 272-276 (USSR)

ABSTRACT:

Up to now comparatively few papers dealt with the problem
of a possible increase of the heat resistance of corundum
products. In this connection the names of V. L. Balkevich,
V. A. Bron, W. Smothers, H. Reynolds, D. N. Poluboyarinov,
and I. N. Silina are mentioned. The authors of this paper
made it their task to find the influence of various factors
on the heat resistance of corundum tests at a temperature
range of from room temperature to 2,000°. They examined the
influence of additions of titanium dioxide, magnesium fluoride,
as well as the insertion of electro-melted corundum in
masses of technical alumina on the heat resistance of corundum
shard within the above mentioned temperature range (footnote 1).

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On the Heat Resistance of the Corundum Mass at High
Temperatures

SOV/131-59-6-8/15

Figures 1 - 4 show the grinding of microstructures of tests with technical alumina and with various additives. Table 2 gives the characteristics of tests with technical alumina and an addition of electro-melted corundum. The composition of the masses, as well as the properties of the tests with the addition of stabilized zirconium dioxide can be seen in table 3. Conclusion: For obtaining heat-resisting corundum products - they need not be of great density - for temperatures of up to 2000⁰, masses are recommended which consist of a mixture of 30% of technical alumina and of 70% of white, electro-melted corundum. An addition of ZrO₂ has a positive effect on the sintering and on the heat resistance of the masses mentioned above. There are 4 figures, 3 tables, and 6 references, 3 of which are Soviet.

ASSOCIATION: Vsesoyuznyy institut ogneporov (All-Union Institute of Refractories)

Card 2/2

BRESKER, R.I.; VORONIN, N.I. (Leningrad).

Thermal compensators based on silicon carbide. Avton. i telem.

20-mo. I: 95-96 Ja '59.

(MIRA 12-7)

(Electric resistors--Thermal properties)

(Silicon carbide)

SOV/19-58-6-174/685

AUTHORS: Voronin, N.I., Bresker, R.I., and Benenson, B.Ye.

TITLE: Substance for Production of Electric Thermo-Compensation Resistances (Massa dlya izgotovleniya termokompensatsionnykh elektricheskikh soprotivleniy)

PERIODICAL: Byulleten' izobreteniy, 1958, Nr 6, p 42, (USSR)

ABSTRACT: Class 21c, 54⁰⁵. Nr 113842 (580690 of 17 Jul 1957). Submitted to the Committee for Inventions and Discoveries at the Ministers Council of USSR. A mass composed of carborundum, metallic silicon, titanium dioxide in the proportion of 40:10:30 (according to weight) and kaolin; resistances of this mass conserve their stability in a wider temperature range.

Card 1/1

15(2)

AUTHORS:

Voronin, N. I., Krasotkina, N. I.

607/131-59-3-9/18

TITLE:

Refractory Lining for Cyclonic Combustion Chambers With Liquid Slag Discharge (Ogneupornaya futerovka dlya tsiklonnykh kamer sgoraniya s zhidkim shlakoudaleniym)

PERIODICAL:

Ogneupory, 1959, Nr 3, pp 129-134 (USSR)

ABSTRACT:

The stability of several refractories was investigated under laboratory conditions and the most stable ones were tested in cyclonic combustion chambers in the stands of the Vsesoyuznyy teploekhnicheskii institut (VTI) im. Dzerzhinskogo (All-Union Thermotechnical Institute imeni Dzerzhinskiy) and the Tsentral'nyy kotloturbinnyy institut (TsKTI) im. Polzunova (Central Institute of Boilers and Turbines imeni Polzunov). The experiments were carried out in conformity with OST NKTP 3270, apart from the testing temperatures which were chosen to be 1500-1600°. coal cinders being used in this connection. The curves of the melting temperatures of mixtures of slag and refractory material are shown on the figure. Table 1 shows the corroding by the slag and the grinding property of the refractories. The experiments proved that only the refractory carborundum products are not corroded by slag. Further, also carborundum and chromite linings (PKhM-6) were tested (Table 2). From the substance

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SOV/131-59-3-9/18

Refractory Lining for Cyclonic Combustion Chambers With Liquid Slag Discharge

which was made at the recommendation by Novikov and Smirnova carborundum bricks were produced and tested in a combustion chamber; the result was good (Table 3). Conclusions: carborundum bricks are suited as lining of cyclonic combustion chambers with liquid slag discharge. The lining of the chambers with carborundum products instead of plaster is regarded as being of advantage. The carborundum bricks must be made by means of pressing from masses which do not contain silicon and ferrosilicon. -There are 1 figure, 3 tables, and 10 references, 8 of which are Soviet.

ASSOCIATION: Vsesoyuznyy institut ogneporov
(All-Union Institute of Refractories)

Card 2/2

VORONIN, N. L.; SLESAREVICH, V. V.; KRYLOVA, Ye. S.

Cand. Technical Sci.

"Investigation and technological characteristics of Andalusitic rocks"

Ogneupory, No. 12, 1949

117 AND 2ND CODES

PROCESSES AND PROPERTIES

Handwritten: *AK*

Influence of morphine on the temperature of cerebral cortex. N. M. Vozonin. *Farmakol. i Toksikol.* 7, No. 4, 3-4(1944). By use of V.'s technique for introducing a thermocouple into canine cerebral cortex without trauma, the temp. effects of subcutaneous morphine-HCl soln. were observed. The dose was 0.01 (unit not stated) per kg. body wt. In the first 2 min. after injection the cerebral cortex temp. rises 0.1 or 0.2° but soon begins to drop. Vomiting and unease retard the temp. drop, but after 20-30 min. the dogs become quiet. The temp. drop continues, more slowly, for 3-5 hrs. The observed temp. changes in 3 dogs were: 38.8 to 36.9° (rectal 38.3 to 37.7°); 39.3 to 36.4 (vaginal 40.3 to 38.9°); 38.7 to 35.2° (vaginal 39.1 to 36.8°). The temp. effect should be duly considered in prescribing morphine. J. P. S.

ASAC-SLA ORTHOLOGICAL LITERATURE CLASSIFICATION

1-27-57, 12/1/57

1-27-57, 12/1/57

VORONIN, N. M. Doc Med Sci -- (diss) "Reactions of the organism to the action of carbonic ^{ate} ~~acid~~ water. (Literary, clinical-physiological, and experimental studies)." Mos, 1959. 16 pp (Central Inst for the Advanced Training of Physicians of the Min of Health USSR), 200 copies (KL, 50-59, 128)

VORONIN, N.M.

Effect of Narzan baths on blood temperature. Ter. arkh.
22 no.5:72-78 Sept-Oct 1950 (GLML 20:1)

1. Of the Experimental Laboratory (Head -- Candidate Medical
Sciences N. M. Voronin) of the Cardiological Clinic imeni
V. I. Lenin (Scientific Director -- Prof. D. Kh. Golshteyn),
Kislovodsk Balneological Institute, Kislovodsk.

1. VORONIN, N. M. : ODINTSOVA Ye K.

2. USSR (600)

4. Baths, Medicated

7. Changes in the state of skin capillaries under the effect of carbonate baths.
Terap. arkh. 24 no. 4, 1952

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

VORONIN, N.M.

History of the development of the neurogenic trend in Russian
balneology. Vop.kur.fizioter. i lech. fiz. kul't no.3:52-58 J1-
Sep. '55. (MIRA 8:8)

1. Iz Tsentral'nogo instituta kurortologii (dir.--kandidat
meditsinskikh nauk, G.M. Pospelova)
(BALNEOLOGY, history,
in Russia, neurogenic trends)
(NERVOUS SYSTEM,
neurogenic trends in balneology in Russia)

VORONIN, N.I.; GORODETSKIY, V.S.; LEVCHUK, V.V.

Refractory blocks holding immersion thermocouples for measuring
the temperature of liquid steel. Ogneuproy 25 no. 3:127-130
'60. (MIRA 13:10)

1. Vsesoyuznyy institut' ogneuporov.
(Thermocouples) (Steel—Metallurgy)

L 4942-66 EWT(d)/HBD/FSS-2/EWT(1)/EEC(E)-2/EWA(d)/T-2 Gm/IS-2/WE
 ACC NR: AP5025696 SOURCE CODE: UR/0264/55/000/012/0044/0044

AUTHORS: Brodovskiy, V. N.; Vvedenskiy, V. A.; Voronin, N. N.; Molodtsov, I. G.;
 Pogozhev, I. I.; Semenov, Yu. N.; Yakimenko, N. M.

ORG: none

TITLE: A device for controlling a radio telescope in azimuthal mounting. Class
 21, 174689 /announced by Organization of the State Committee for Defense Engi-
 neering SSSR (Organizatsiya gosudarstvennogo komiteta po obronnoy tekhnike SSSR)

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 13, 1965, 44

TOPIC TAGS: azimuth, radio telescope, telescopic equipment, tracking telescope,
 tracking system, tracking, tracking computer

ABSTRACT: This Author Certificate presents a device for controlling a radio
 telescope in an azimuthal mounting. The device contains an input unit for the
 reference data in the equatorial coordinate system and electric following drives
 for turning the radio telescope in azimuth and elevation angles. The reliability
 and precision of tracking are increased. The unit contains a digital computer.
 The output of the elevation angle and azimuth angular mismatch are connected via

UDC: 621--503.53:522.61

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L 4942-66

ACC NR: AP5025696

memory registers and groups of amplifiers to the input of code-to-voltage converters. The second input of these converters, via a second group of amplifiers and corresponding memory registers, is connected to the outputs of the azimuth and elevation angle data speeds of the digital computer. The third input of the converters is connected to tachogenerators. These tachogenerators are mechanically connected to the azimuth and elevation angle axes of the radio telescope. To broaden the operating range of the azimuth angle pickup when the radio telescope passes from the clearly defined range, the output of an azimuth code correction selsyn is connected to the digital computer. This azimuth code correction selsyn is mechanically connected to the azimuth axis and is mounted on the turning circle, increasing the operating range of the radio telescope.

SUB CODE: DC, OP/ SUBM DATE: 25Jul64

OC
Card 2/2

VORONIN, N.N. [Voronin, M.M.], prof.; IGNATENKO, Ye.Kh., kand. tekhn.
nauk; BARMASHENKO, I.B., kand. tekhn. nauk

Oxygen depolarization on porous electrodes with activated
nickel. Khim. prom. [Ukr.] no.2:19-22 Ap-Je '63.
(MIRA 16:8)

1. Kiyevskiy politekhnicheskij institut.

VORONIN, N.N.; IGNATENKO, Ye.Kh.; BARMASHEIKO, I.B.

Electrochemical behavior of activated porous nickel electrodes.
Zhur.prikl.khim. 34 no.9:2043-2047 9 '61. (MIRA 14:9)
(Electrodes, Nickel) (Electrochemistry)

VORONIN, N.M. doktor istoricheskikh nauk.

Valuable contribution to the archaeology of ancient Russia ("Transactions of the Novgorod Archaeological Expedition, "v.l. Reviewed by N.M. Voronin). Vest.AN SSSR 26 no.12:119-122 D '56. (MIRA 10:1)
(Novgorod--Antiquities)

VORONIN, N. N.

DECEASED

Chemistry

see ilc

VORONIN, H.P.

New KM-83-1 twisting machines.
(spinning machinery)

Tekst. prom. 18 no.3:22

Mr '58.
(MIRA 11:3)

VORONIN, N.P.

Work of research laboratories in the textile and knitting
industry. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.
nauch.i tekh.inform. no.9:77 '62. (MIRA 15:9)
(Textile research)

VORONIN, N.P.

The KM-83-1 twisting machine. Biul.tekh.-ekon.inform. no.10:
52-54 ' 58. (MIRA 11:12)

(Textile machinery)

VORONIN, N.P.

Requirements for spinning machinery used in reprocessing viscose
fibers. Tekst. prom. 18 no.8:37-39 Ag '58. (MIRA 11:10)
(Spinning machinery) (Rayon spinning)

VORONIN, N.S.

VORONIN, N.S.

Evolution of plant roots. Pt.2: Evolution of root genesis [with
summary in English]. Biol. MOIP. Otd.biol. 62 no.3:35-49 My-Je '57.
(ROOTS (BOTANY)) (MLRA 10:8)

SIDOROV, O.P.; VORONIN, N.S.

Stabilization of the angular velocity of d.c. motors by
connecting nonlinear resistances into the excitation circuit.
Izv. vys. ucheb. zav.; elektromekh. 7 no.6:704-713 '64.

(MIRA 17:7)

VORONIN, N.S.

Some features of root formation in Juncus. Bot. zhur. 45 no.9:1359-
1360 S '60. (MIRA 13:9)

1. Kaluzhskiy gosudarstvennyy pedagogicheskiy institut.
(Rush (Botany)) (Roots (Botany)—Morphology)

VORONIN, N.S.

Root evolution in plants [with summary in French]. Biol.
MOIP. Otd.biol. 61 no.5:47-58 8-0 '56. (MLBA 10:2)

(ROOTS (BOTANY))

KOPTEV, Mikhail Mikhaylovich; VORONINA, N.V., red.

[Some problems in business accounting during the large-scale building of communism] Nekotorye voprosy khoziaistvennogo rascheta v period razvernutoho stroitel'stva kommunizma. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1961. 60 p.

(MIRA 14:6)

(Finance)

VORONIN, P.

Miniature radio receivers. IUn.tekh. 3 no.5:49-50 By '59.
(MIRA 12:7)

(Radio--Receivers and reception)

VORONIN, Petr Andreyevich, starshiy prepodavatel'

Choice of the power rating of a fan motor operating at decreased speeds. Izv.vys.ucheb.zav.; elektromekh. 7 no.12:1455-1464 '64.
(MIRA 18:2)

1. Kafedra teoreticheskoy elektrotekhniki i elektricheskikh mashin Severo-Kavkazskogo gornometallurgicheskogo instituta.

VORONIN, P.A., inzh.

Analysis of the transient air flow at the beginning of a long
working. Izv. vys. ucheb. zav.; gor. zhur. no.8:62-70 '64
(MIRA 18:1)

1. Severokavkazskiy gorno-metallurgicheskiy institut. Rekomen-
dovana kafedroy teoreticheskoy elektrotekhniki i elektrichesk-
kikh mashin.

VORONIN, P.A.

Determination of maximum acceleration in the starting of
fans. Izv. vys. ucheb. zav.; tsvet. met. 7 no. 4:18-22
'64. (MIRA 19:1)

1. Severokavkazskiy gornometallurgicheskiy institut, kafedra
teoreticheskoy elektrotekhniki i elektricheskikh mashin.

POPOV, I.I.; VOPONIN, P.A.; MATYUNIN, V.S.

Method of testing in mines of coal mining explosives for a
tendency to burn out. Vzryv. delo no.52/9:217-221 '63.

(MIRA 17:12)

1. Makeyevskiy nauchno-issledovatel'skiy institut po bezopasnosti
truda v gornoy promyshlennosti.

CA

12

Comparative evaluation of methods of protein deter-
mination and fat determination in food rations. P. V.
Vernin. *Gigiena i Sanit.* 1981, No. 9, 63-4. The Kjeldahl
method is regarded as the standard for N detem., the formal
method is next to it in dependability; neutralization and the
Kulenska methods give 8-10% deviations. For fat detem.
the Soxhlet method is most reliable followed closely by
Polenske, Gernag, and Kalmykov methods; Gerber's
method is least satisfactory (15% deviations).
G. M. Kimolayev

VORONIN, P.F.

Effect of gum substances on ascorbic acid. Gig. sanit., Moskva No.1:
43-48 Jan 52. (CIML 21:4)

VORONIN, P.F.

Dechlorinating ability of peat and sawdust. Gigiena i sanit. '53, No.1, 44.
(CA 47 no.19:10156 '53) (MLRA 6:1)

VORONIN, P.F.

Water supply in the shore regions of the Nenets tundra. (fig. 1 sam. no. 7:
43 JI '53. (MLEA 6:7)
(Nenets national area--Water supply) (Water supply--Nenets national
area)

CIA-RDP86-00513R001860910014-1"

VORONIN, P. F.

Chemical Abstracts
Vol. 48 No. 5
Mar. 10, 1954
Biological Chemistry

Dependence of the activity of blood catalase upon ascorbic acid sufficiency. P. F. Voronin. *Biokhimiya* 18, 270-83 (1953).—The effect of ascorbic acid (I) on the activity of blood catalase was studied in 10 normal humans. All were given heavy doses of I (300 mg.) for a period of 19 days. Blood catalase determinations were made every other morning before breakfast. This was supplemented by an erythrocyte count to obtain the catalase index. Changes in the blood catalase of 22 Southern and Northern natives who were moved to polar regions for a period of 7 months were studied. Ages varied from 19 to 21 yrs. Rations, work schedules and other living conditions were the same for all. All received 50 mg. of I daily, which was based upon the content of the daily ration. Seasonal variations in the catalase activity of the blood were studied in a third group of 26 subjects during 1946-1947. In this group simultaneous studies were made of the basic indexes of I sufficiency, such as I in readiness of peripheral capillaries and I deficiency. Rations, work schedules and other living conditions were the same for all. Av. daily I intake was: in spring 36, summer 27, fall 59, and winter 42 mg. Catalase was determined by the method of Bach-Zolshkova (*Trans. Karpo: Chem. Ind. 12* (1923)). I actively influences the effectiveness of blood catalase; much depends upon the initial condition of the organism with special reference to I sufficiency. An increase in the blood catalase activity in the presence of heavy doses of I can be taken as evidence supplementary to other symptoms that a I deficiency exists. During the first 5 months of acclimatization, natives of southern regions evidenced a lowering in the I content and a concomitant lowering in the blood catalase activity, which shows a marked seasonal variation. B. S. Levine

VORONIN, P.F.

~~SECRET~~

Using pulverized peat to eliminate grease in washing aluminum
dishes. Gig. 1 san., no.8:50 Ag '54. (MIRA 7:9)
(DISHWASHING) (PEAT)

VORONIN, P.F., kand.mod.nauk (Arkhangel'sk)

Sanitary evaluation of marsh water. Gig. 1 san. 23 no.4:72-74
Ap '58. (MIRA 11:6)

(WATER SUPPLY
sanitary assessment of marsh water (Rus))

VORONIN, P.Y., podpolkovnik med. sluzhby, kand.med.nauk

Storage and transportation of water samples under cold weather
conditions. Voen.med.zhur. no.3:92 Mr '57. (MIRA 11:3)
(WATER--ANALYSIS)

VORONIN, P.F. (Arkhangel'sk)

Fermentation test of bread quality [with summary in English]. Vop.
pit. 16 no.2:66-73 Mr-ap '57. (MIRA 10:10)

(FOOD

bread, fermentation test of quality (Rus))

Voronin P.F.
VORONIN, P.F., kandidat meditsinskikh nauk

Sanitary evaluation of the oxidation of swamp water. Hig. i san.
22 no.4:64-67 Ap '57. (MLRA 10:9)
(WATER SUPPLY,
oxidation of swamp water, hig. aspects (Bia))

VORONIN, P.F.

Comparative evaluation of method of mineralization food products in
determination of proteins according to Keldal's method. G1g. sanit.,
(G1ML 25:5)
Moskva no.10:51-53 Oct 1953.

VORONIN, P.F., podpolkovnik meditsinskoy sluzhby, kandidat meditsinskikh nauk.

Peculiarities of water supply in a cold climate. Voen-med. zhur.
no.2;55-60 # '56 (MLRA 10:5)

(WATER SUPPLY,
in arctic climate, hyg. & chem. aspects) (Rus)

(CLIMATE,
water supply in arctic climate, hyg. & chem. aspects) (Rus)

VORONIN, P. F.

"Water Supply Peculiarities in Cold Climate" Voenno-Meditsinskiy Zhurnal, No. 2.,
February, 1956, p. 55.

VORONIN, P.S.

Synthesis of passive symmetric T-shaped four-terminal-network
circuits. Elektrosviaz' 12 no.8:48-54 Ag. '58. (MIRA 11:8)
(Telecommunication)

VORONIN, P.S., inzh.; TKACHENKO, N.I., inzh.

Using twin guns for the spot welding of automobile fenders.
Avtom. svar. 17 no.11:78 N '64 (MIRA 18:1)

1. Zaporozhskiy avtomobil'nyy zavod.

VORONIN, P.S. (ENGR.): CHERNOVOL, S. YE.

Welding

Advanced welding methods at the Zaporozh'ye Machine building plant
Avtog. delo 23, no, 9 1952

"Kommunar."

Monthly List of Russian Accessions, Library of Congress, November, 1952, Unclassified

BODRYASHKIN, A.N., inzhener.; VORONIN, P.T., inzhener; SORIN, M.F.,
inzhener.

Instruments for checking extruded connectors. Mlek.sta. 27 no.4:
60 Ap '56. (MYRA 9:8)

(Electric instruments)

~~FOR~~ ~~VORONIN, V.V.~~
LICOZYANSKAYA, S.G.; KOSTIN, V.I.; VORONIN, P.V.

Accelerated cooling of the glass ribbon in the stack of a vertical
drawing machine. Stek.1 ker.13 no.11:9-10 W '56. (MLRA 10:1)
(Glass manufacture)

VORONIN, P. V., SHVETS, S.YE.

Glass Manufacture

Cutting head for sharpening the asbestos roller on VVS machine. Stok. 1 ker.
9 No. 4, 1952

Monthly List of Russian Accessions, Library of Congress, August, 1952. UNCLASSIFIED.

1. VORONIN, P. V., SHVETS, Ye. S. E.

2. USSR (600)

4. Glass Manufacture

7. Clamping device for floats in chamber under machine, in the process of drawing glass strips with free surface., Stek. i ker., 9, No.10, 1952

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

1. VORONIN, E. V., SHVETS, S. E.

2. USSR (600)

4. Glass Manufacture

7. Clamping device for floats in chamber under machine, in the process of drawing glass strips with free surface., Shvets. Stek. i ker., 9, no. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

7030.771, P. V.

"The Communist Party of the Soviet Union at the Head of the Labor Uprising of the Masses in the Development of a Socialist Industry in the Postwar Years (1944-1953)." Cand Tech Sci, Inst for the Raising of the Qualifications of Teachers of Marxist-Leninism, Kiev State U, Min Higher Education USSR, Kiev, 1954. (KL, No 11, Mar 55)

SO: Sum. No. 670, 29 Sep 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

AUTHOR: Voronin, S.

ECV-27-58-8-13/27

TITLE: Gifts to Tractor Drivers (Podarok traktoristam)

PERIODICAL: Professional'no-tekhnicheskoye obrazovaniye, 1958, Nr 8,
page 22 (USSR)

ABSTRACT: The Groznyy Railroad School Nr 1, the School for Mechanization
of Agriculture and the Technical School supplied near-by
collective farms with free tools.

1. Agriculture--Equipment

Card 1/1

VORONIN, S.

KRIVORUCHKO, A. (Magnitogorsk); VORONIN, S. (g. Grosny); MELIKHOV, M.
(Stalingrad); LEMPERT, M. (Ardanodar).

They fulfill their duty. Posh.delo 3 no.4:31 Ap '57. (MLBA 10:7)
(Fire prevention)

VORONIN, S., obshchestvennyy instruktor (Moskva)

Butt to be used when shooting at moving targets. Voen. znaniya. 31
no.10:30 0 '55. (MLBA 9:3)

(Target practice)

AGALINA, M.S., inzh.; AKUTIN, T.K., inzh.; APRESOV, A.M., inzh.; ARISTOV,
S.S., kand. tekhn. nauk.; BELOSTOTSKIY, O.B., inzh.; BERLIN, A.Ye., inzh.;
BESSKIY, K.A., inzh.; BLYUM, A.M., inzh.; BRAUN, I.V., inzh.; BRODSKIY,
I.A., inzh.; BURAKAS, A.I., inzh.; VAYNMAN, I.Z., inzh.; VARSHAVSKIY,
I.N., inzh.; VASIL'YEVA, A.A., inzh.; VORONIN, S.A., inzh.; VOYTSEKHOVSKIY,
L.K., inzh.; VRUBLEVSKIY, A.A., inzh.; GERSHMAN, S.G., inzh.;
GOLUBYATNIKOV, G.A., inzh.; GORLIN, M.Yu., inzh.; GRAMMATIKOV, A.N., inzh.;
DASHEVSKIY, A.P., inzh.; DIDKOVSKIY, I.L., inzh.; DOBROVOL'SKIY, N.L., inzh.;
DROZDOV, P.F., kand. tekhn. nauk.; KOZLOVSKIY, A.A., inzh.; KIRILENKO,
V.G., inzh.; KOPELYANSKIY, G.D., kand. tekhn. nauk.; KORETSKIY, M.M., inzh.;
KUKHARCHUK, I.N., inzh.; KUCHER, M.G., inzh.; MENZLYAK, M.V., inzh.;
MIRONOV, V.V., inzh.; NOVITSKIY, G.V., inzh.; PAJUN, N.M., inzh.;
PANKRAT'YEV, N.B., inzh.; PARKHOMENKO, V.I., kand. biol. nauk.; PINSKIY,
Ye.A., inzh.; PODLUBNYI, S.A., inzh.; PORAZHENKO, F.F., inzh.; PUZANOV,
I.G., inzh.; REDIN, I.P., inzh.; REZNIK, I.S., kand. tekhn. nauk.;
ROGOVSKIY, L.V., inzh.; RUDERMAN, A.G., inzh.; RYBAL'SKIY, V.I., inzh.;
SADOVNIKOV, I.S., inzh.; SEVER'YANOV, N.N., kand. tekhn. nauk.; SIMESHKO,
A.T., inzh.; SIMKIN, A.Kh., inzh.; SURDUTOVICH, I.N., inzh.; TROFIMOV,
V.I., inzh.; PETER, M.M., inzh.; FIALKOVSKIY, A.M., inzh.; FRISHMAN,
M.S., inzh.; CHERESHNEV, V.A., inzh.; SHKSTOV, B.S., inzh.; SHIFMAN,
M.I., inzh.; SHUMYATSKIY, A.F., inzh.; SHCHERBAKOV, V.I., inzh.;
STANCHENKO, I.K., otv. red.; LISHIN, G.L., inzh., red.; KRAYTSOV, Ye.P.,
inzh., red.; GRIGOR'YEV, G.V., red.; KAMINSKIY, D.N., red.; KRASOVSKIY,
I.P., red.; LEYTMAN, L.Z., red. [deceased]; GUREVICH, M.S., inzh., red.;
DANILEVSKIY, A.S., inzh., red.; DEMIN, A.M., inzh., red.; KAGANOV,
S.I., inzh., red.; KAUFMAN, B.M., kand. tekhn. nauk., red.; LISTOPADOV,
N.P., inzh., red.; MENDELEVICH, I.R., inzh., red. [deceased];
(continued on next card)

AGALINA, M.S.... (continued) Card 2.

PENTKOVSKIY, N.I., inzh., red.; ROZENBERG, B.M., inzh., red.; SLAVIN,
D.S., inzh., red.; FEDOROV, M.P., inzh., red.; TSIMBAL, A.V., inzh., red.;
SMIRNOV, L.V., red. izd-va.; PROZOROVSKAYA, V.I., techn. red.

[Mining ; an encyclopedic handbook] Gornoe delo; entsiklopedicheski
spravochnik. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po ugol'noi
promyshl. Vol. 3. [Organization of planning; Construction of surface
buildings and structures] Organizatsiia proektirovaniia; Stroitel'stvo
zdanii i sooruzhenii na poverkhnosti shakht. 1958. 497 p. (MIRA 11:12)

(Mining engineering)
(Building)

PECHKOVSKIY, A.M.; VORONINA, S.N.

Most recent types of furnaces. Metalloved. i term. obr. met.
no. 11:53-61 N '60. (MIRA 13:12)

(Metallurgical furnaces)

YERONIN, Sergey Pavlovich; KOROL'KOV, Vyacheslav Aleksandrovich;
USPENSKIY, N.M., red.; BLAZHENKOVA, G.I., tekhn. red.

[Firing air rifles] Strel'ba iz pnevmaticheskikh vintovok.
Moskva, Izd-vo DCSIAF, 1960. 100 p. (MIRA 13:7)
(Rifle practice)

ca

1

The use of calcined soda in the founding of cast iron.
S. D. Voronin. *Litinskoe Delo* 6, No. 6-8, 37-8 (1938);
Chem. Zvesti. 1938, 1, 3902.—Calcined soda purifies cast
iron from slag inclusions and thus reduces waste from this
source. Moreover the use of soda reduces the tendency
to pipe and deaerifies the iron. By faying the iron
from slag and slag, the soda renders it more fluid so that a
lower casting temp. can be used. M. G. Moore

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

VORONIN, S.Ye.

Mechanizing chill casting of aluminum castings in mass
production. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.
nauch.i tekhn.inform. no.8:14-15 Ag '65.

(MIRA 18:12)

VORONIN, S.Ye.

Mechanizing the trimming and fettling of castings in mass production
of aluminum chill casting. Biul.tekh.-ekon.inform.Gos. nauch.-issl.
inst.nauch.i tekhn.inform. 18 no.6:29-30 Je '65. (MIRA 18:7)

VORONIN, S.Ye.

Chill casting of an eight-cylinder engine block. Biul.tekh.--ekon.
inform. Gos.rauch.-issl.inst.nauch.i tekh.inform. 18 no.1:25-27
Ja '65. (MIRA 18:4)

VORONIN, S.Ye.; KHRENOV, B.P.

Loader-trucks for the handling of liquid metal. Lit. proisv.
no. 11:41 H '61. (MIRA 14:10)
(Foundries—Equipment and supplies)

18(3)

AUTHOR:

Voronin, T. A.

SOV/163-58-4-18/47

TITLE:

Manufacture of Metallic Molds by the Method of Putting-On
(Izgotovleniye metallicheskih liteynykh form metodom
namorazhivaniya)

PERIODICAL:

Nauchnyye doklady vysshey shkoly. Metallurgiya, 1958,
Nr 4, pp 108 - 110 (USSR)

ABSTRACT:

A cheap method for the manufacture of metallic molds is described here. This method consists in putting-on the metal on a normal body which is dipped into the melt for a short time. This method is particularly advantageous if we can use a specimen of the product as normal body. The mold thus put onto the specimen product requires no further mechanical working beside the sawing of the joint faces and the drilling of the necessary bores. The normal body may be made of metallic alloys, molding batch or clay. The normal body and the metallic mold may be made of the same alloy. Experiments showed that the success of this method depends on the temperature curve chosen.

Card 1/2

'Manufacture of Metallic Molds by the Method of Putting-On: 907/163-56-4-18/47

The method described is still in the experimental stage and the tests showed some peculiarities of the method. The question of the thickness of mold and of the quality of the working surface is discussed. The wall thickness of the metal mold is influenced by: the time during which the normal body is in the melt, the melting temperature, the thermal capacity of the normal body, and the conditions of heat transmission during the putting-on. The causes of the formation of roughness and holes are pointed out. A drawback of the method is the difficulty in lifting the metal mold off the normal body. The mold is easily lifted if the angle on top of a conical normal body is more than 30° . There are 1 figure and 1 table.

ASSOCIATION: Moskovskiy energeticheskiy institut (Moscow Institute of Energy)

SUBMITTED: February 14, 1958
Card 2/2

VORONIN, T.A.

VORONIN, T.A. (Moskva)

Contact stresses caused by tight fit of rigid bushes on infinite cylinders. Izv.AN SSSR Otd.tekh.nauk no.8:153-155 Ag '57.
(MIRA 10:11)

(Strains and stresses) (Elastic solids)

Vo onin, T.A.

24-8-27/54

AUTHOR: Voronin, T.A. (Moscow).

TITLE: Contact stresses occurring in the case of a close fit of a rigid sleeve on an infinite cylinder. (Kontaktnyye napryazheniya, voznikayushchiye pri tugoy posadke zhestkoy vtulki na beskonechnyy tsilindr).

PERIODICAL: "Izvestiya Akademii Nauk, Otdeleniye Tekhnicheskikh Nauk" (Bulletin of the Ac.Sc., Technical Sciences Section), 1957, No.8, pp.153-155 (U.S.S.R.)

ABSTRACT: The problem can be reduced to an integral equation expressing the radial deformation of the shaft as a function of the sought contact stress. For writing this equation it is necessary to know the function expressing the influence of the shaft, i.e. the radial deformation of the shaft surface due to the concentrated radial load of the sleeve. In the case of a solid (non-hollow) shaft the stress function can be used which is expressed by eq.(1), p.153, see Shapiro, G.S. (1). The author applies solutions which were arrived at by Reisner, E. (2) and Galin, L.A. (3) and in this paper the solutions are used which were arrived at by Galin. By comparing the solutions obtained by increasing the number of terms in the series, in eq.(10), it is possible to evaluate the accuracy of the arrived at solution

Card 1/2

24-8-27/34

Contact stresses occurring in the case of a close fit of a rigid sleeve on an infinite cylinder. (Cont.)

and this is illustrated by the graph, Fig.2.

There are 2 figures and 3 references, 2 of which are Slavic.

SUBMITTED: January 17, 1957.

AVAILABLE: Library of Congress

Card 2/2

ALEKSANDROVA, M.A.; ASINOVSKIY, E.I.; BALANDIN, V.V.; BRODYANSKIY,
V.M., kand. tekhn. nauk; VAKHRAMEYEVA, Ye.A.; VERBA, K.I.,
kand. tekhn. nauk; VORONIN, T.A., kand. tekhn. nauk;
GIRSHFEL'D, V.Ya., kand. tekhn. nauk; DEYCH, M.Ye., prof.
doktor tekhn. nauk; IVIN, F.A.; LAPSHIN, M.I., kand. tekhn.
nauk; LIPOV, Yu.M., kand. tekhn. nauk; LYUBARSKAYA, A.F.;
MAKARENKO, I.D.; MIRIMOVA, V.M.; NEVLER, S.Ye.; ROZANOV,
K.A., kand. tekhn. nauk; ROTACH, V.Ya., kand. tekhn. nauk;
KHMEL'NITSKIY, R.Z., kand. tekhn. nauk; SHEVCHENKO, E.G.;
BOGOMOLOV, B.A., red.; VAYNSHTEYN, K.N., spets. red.;
LICHAK, S.K., spets. red.

[German-Russian heat engineering dictionary] Nemetsko-
russkii teplotekhnicheskii slovar'. Moskva, Sovetskaya
entsiklopediya, 1964. 512 p. (MIRA 18:1)

1. Moscow. Energeticheskii institut. 2. Moskovskiy energo-
ticheskii institut (for all except Vaynshteyn, Lichak).

VORONIN, T. A.

Voronin, T. A. -- "Determination of the Contact Stresses Arising from the Rigid Attachment of Liners to a Shaft." Min Higher Education USSR. Moscow Order of Lenin Power Engineering Institute V. M. Molotov. Moscow, 1956. (Dissertation For the Degree of Candidate in Technical Sciences).

So: Knizhnaya Letopis', No. 11, 1956, pp 103-114

USSR/General Problems of Pathology. Immunity.

U-1

Abs Jour : Ref Zhur - Biol., No 6, 1958, No 27588

Author : Voronina, T.Z.

Inst : Not Given

Title : The Effect of Cooling on Immunobiological State of Rabbits.

Orig Pub : Sb. nauchn. tr. Vinnitsk. gos. med. in-ta, 1957, 8, 238-243

Abstract : On the 5th day after having been immunized 4 times with warmed typhoid vaccine, the rabbits were subjected to cooling at -4° and -5° for 1 hour. After immunization the average agglutinins' titer was 1:12,000 and phagocytic index was 6.2; on the 5th day after cooling the values were 1:20,000 and 7.8 and after cooling for 5 times they were 1:8,000 and 2.8, respectively.

Card : 1/1

12

VORONSTOV, L., VORONIN, V.

Holidays

Prepare for the anniversary of the Stalin constitution. Klub no. 5, '51.

9. Monthly List of Russian Accessions, Library of Congress, August 1956, 2, Unclassified.

3		4	
<p>Experimental Production of Ferro-Silicon in a 630 cu. m. Capacity Blast-Furnace. V. Voronin, K. Shpoi'ti and G. Murykanitskiy. (Istal, 1939, No. 7, pp. 1-6). (In Russian). The experimental production of ferro-silicon and its subsequent casting in a casting machine were tried before stopping the blast-furnace for a complete overhaul. The state of the furnace prior to the commencement of the experiment is described and the authors also deal with the raw materials and composition of the charge, furnace penalties during the production of the ferro-silicon, losses of the ferro-alloy in the ladles and casting machine, the economics of the process and with the final stopping of the furnace. The experiment is regarded as satisfactory. A total of 15,996 tons of 10% ferro-silicon were produced during the 44 days of operation. The slag used should contain 10% of alumina and 43-46% of lime. The blast should be as hot as possible (850-780° C.). The use of a higher blast temperature may make it possible to work with a more acid slag and consequently to increase the silicon content of the alloy to 15-18%. The slag should amount to 0.75 ton per ton of alloy. Additional water-cooling of some parts of the furnace is recommended.</p>			
<p>ASH-35A METALLURGICAL LITERATURE CLASSIFICATION</p>			

CH

Smelting ferroalloy in a 930-cubic-meter blast furnace.
V. Voronin, K. Shpel'ti and S. Muryskanski. *Stal* 9, No.
2, 1-6(1939).—Prior to shutting down one of the blast
furnaces at the Voroshilov Plant a 44-day run was made
producing pig iron contg. 10-18% Si. An av. of 370 met-
ric tons per day was produced at a cost of 186 rubles
(\$12.70) per ton. The slag:metal ratio was about 0.75.
Slags contg. 43-46% CaO and 10% Al_2O_3 were sufficiently
fluid. H. W. Rathmann

9

ASB-56A METALLURGICAL LITERATURE CLASSIFICATION

VORONIN, V.; DROBYAZKO, S.; MATSKO, B.; CHERNIGOVSKIY, G.; YUDIN, K.

Automatic control of the APA-4 units. Av. 1 kosm. 48 no.10:
76-77 0 '65. (MIRA 18:11)

VORONIN, V.; DROBYAZKO, S.; CHERMIGOVSKIY, G.; YUDIN, E.

Regulation systems for airport electric units. Av. i kosm.
no.1:76-80 Ja '66. (MIRA 19:1)

VORONIN, V. (Angarsk, Irkutskaya obl.)

Two explosions. Pozh. delo 9 no.9:13 S '63.

(MIRA 16:10)

(Electric engineering--Safety measures)

VORONIN, V. (Pskov)

A friend of children. Pozh. delo 9 no.9:9 S '63. (MIRA 16:10)

(Schools--Fires and fire prevention)

VORONIN, V.

Establishing norms for the working capital of flour, groats, and mixed feed mills. Muk.-elev. prom. 29 no.3:14-15 Mr '63.

(MIRA 16:9)

1. Moskovskiy tekhnologicheskij institut pishchevoy promyshlennosti.

VORONIN, V.; AMBARTSUMYAN, B.

Using sprayed-concrete bolting in mines of the Kafan Copper Works.
Prom.Arm. 6 no.12:22-26 D '63. (MIRA 17:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy gornno-metallurgicheskiy
institut tsvetnykh metallov (for Voronin). 2. Kafanskiy mudnorudnyy
kombinat (for Ambartsumyan).

VORONIN, V., inzh.; SKVORTSOV, A., inzh.

Use of adobe to fill in frames. Sel'. stroi. 16 no. 10:7-8 0 '61.
(MIRA 14:11)

(Building, Adobe)

L 44296-66 EWT(d)/FSS-2/EWT(1)

ACC NR: AP6023575(A)

SOURCE CODE: UR/0018/66/000/007/0084/0086

AUTHOR: Voronin, V. (Captain)

ORG: none

TITLE: When the target dives [Antiaircraft training] ^a

SOURCE: Voyenny vestnik, no. 7, 1966, 84-86

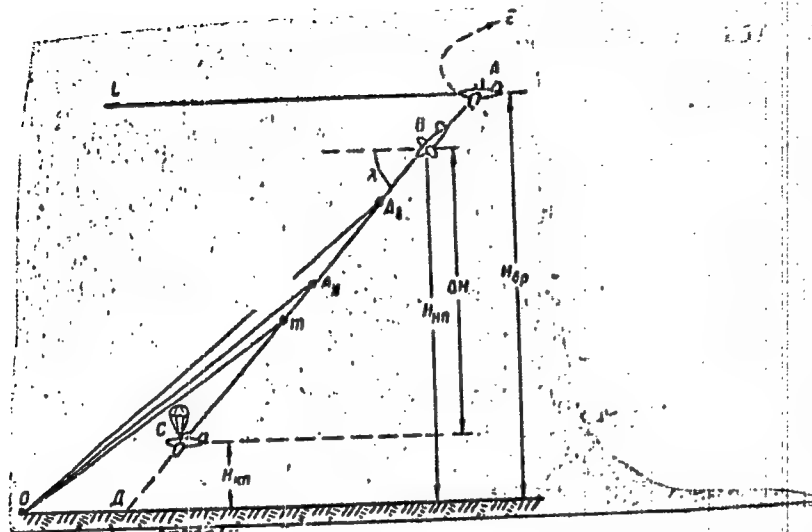
TOPIC TAGS: antiaircraft defense, antiaircraft fire control system, military training

ABSTRACT: In the training of antiaircraft batteries to destroy diving airborne targets, using the ⁵APM-6 diving target, practice-firing conditions approximating those of combat have been attained. A diagram is used to explain the entire exercise (see Fig. 1). It is recommended to start firing at a diving target not later than 5 sec

Card 1/3

ACC NR: AP6023575

after the start of the diving maneuver, with a 5-sec firing rate. Orig. art. has: 1 figure. [WS]



Card 2/3

L 44296-66
ACC NR: AP60235751

Fig. 1. Antiaircraft exercise using a diving

- H_{dp} - Altitude at which airborne target is dropped;
- H_{un} - Altitude at which target begins to dive;
- H_{en} - Altitude at end of dive;
- A_B - Point where target falls;
- A_{AB} - Location of target at moment firing begins;
- λ - Dive angle;
- AE - Course of aircraft after dropping the target;
- B - Point at which the target starts to dive;
- A_n - Location of target at moment firing begins;
- A_y - Location of predicted point, determined by antiaircraft fire director;
- m - Actual target location at the moment the shell bursts;
- mA_y - Linear value of dynamic error.

SUB CODE: 15/ SUBM DATE: none

Card 3/3 *OK*

VORONIN, V.A.; PIK, I.I.; PLONSKIY, S.S.

Practice of using the GD-300 geodimeter. Geod. 1 kart. no.9:
27-31 S'62. (MIRA 15:10)

(Geodimeter)

9(5);28(2)

PHASE I BOOK EXPLOITATION

SOV/3297

Voronin, V. A.

0 mashinnom perevode s kitayskogo na russkiy yazyk (Machine Translation From Chinese to Russian) Moscow, 1958. 34 p. 300 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut tochnoy mekhaniki i vychislitel'noy tekhniki.

No contributors mentioned.

PURPOSE: The booklet is intended for specialists in machine translation.

COVERAGE: Some basic principles of the first pattern of the algorithm for machine translation from Chinese to Russian are discussed. Work on this problem started with a study of practical material and simultaneous research on a method of analysis of the Chinese sentence. A brief description of the main stages of grammatical analysis of the Chinese sentence is given. Scientific

Card 1/2

Machine Translation (Cont.)

SOV/3297

tests in the field of physics, mathematics, construction engineering and biology were used as material. No personalities are mentioned. Two Soviet references are given.

TABLE OF CONTENTS:

Introduction	3
I. Syntactical Analysis of the Chinese Sentence	9
II. Development of the Morphological Characteristics of a Word	27

AVAILABLE: Library of Congress (PL1499.V6)

Card 2/2

JP/os
3/14/60

VORONIN, V. A. (Moscow_

"Grammatical Analysis in Machine Translation from Chinese to Russian."

Theses - COnference on Machine Translations, 15-21 May 1958, Moscow.

VORONIN, V.

How we build our work. Den. 1 kred. 19 no.4:64. 65 Ap '61.
(MIRA 14:3)

1. Rukovoditel' kreditnoy gruppy Belokholunitskogo otdeleniya
Gosbanka Kirovskoy ohlasti.
(Belokholunitskiy District Credit)

VORONTSOV, L.; VORONIN, V.

Russia - Politics and Government

Prepare for the anniversary of the Stalin constitution. Klub no. 5. 1951.

Monthly List of Russian Accessions, Library of Congress, August, 1952. Unclassified.

L 27721-66 EWT(1)/ETC(f)/ENG(m)/EWA(h) TT/AT
 ACC NR: AP6003296 SOURCE CODE: UR/0209/55/000/001/0075/0080
 AUTHOR: Voronin, V.; Drobyazko, S.; Chernigovskiy, G.; Yudin, E.
 ORG: None
 TITLE: Control systems for airfield electric power units
 SOURCE: Aviatsiya kosmonavtika, no. 1, 1966, 76-80
 TOPIC TAGS: airfield auxiliary equipment, diesel engine, electric generator unit
 ABSTRACT: The operation and control of diesel-generator units are discussed in relation to supplying current to motor-starters of aircraft gas-turbine engines. The current, voltage and speed-starting characteristics were graphically illustrated. The effects of peak loads on the behavior of diesel engines also were analyzed with the help of a speed-load curve. To overcome peak loads, it was recommended to keep constant (or even to increase) the speed of the diesel engine and simultaneously limit the rise of electric power by lowering the generator voltage. The effectiveness of this method was illustrated by an oscillogram showing the variations of current, voltage and speed. The engine speed was regulated by opening the throttle valve. An electromagnetic regulator was used to govern the speed of the APA-2 and APA-3 diesel-generator units.
 Card 1/2

L 27721-66

ACC NR: AP6003296

The operation of this control system was briefly described and its static and dynamic disadvantages were mentioned. Another automatic system used for APA-4 units was also described and its advantages over the first system were stressed. In this new system, the voltage to the electromagnetic regulator was applied from a special circuit consisting of a tachometer-generator and an amplifier mounted on the main diesel shaft. This system was shown in a diagram and its operation was explained. A 4-pct increase in speed was obtained at the load rising from zero to a 200 pct peak. Such an increase compensated the voltage drop and provided a horizontal external characteristic. Orig. art. has: 7 diagrams.

SUB CODE: 10 / SUBM DATE: None / ORIG REF: 000 / OTH REF: 000

Card 2/2 BLS

BELIKOV, Yevgeniy Fedorovich, dotsent; YORONIN, Viktor Aleksandrovich, inzh.; GLOTOV, Georgiy Fedorovich, dotsent; ZELENIKOV, Yuriy Vladimirovich, inzh.; IVANOV, Leonid Fedorovich, inzh.; KORNNV, Gleb Sergeyevich, inzh. [deceased]; MASLENNIKOV, Anatoliy Stepanovich, inzh.; SIROTKIN, Mikhail Pavlovich, dotsent; ULITIN, Andrey Il'ich, inzh.; URUSOV, Nikita Yur'yevich, inzh.; FLOROVSKIY, Yuriy Sergeyevich, inzh.; SHAKHIDZHANYAN, Grand Aleksandrovich, inzh.; HGLIT, Vitaliy Ivanovich, inzh.; VASIL'YEVA, V.I., red.izd-va; ROMANOVA, V.V., tekhn.red.

[Guidebook on principles of engineering geodesy used in planning and building hydroelectric power stations] Spravochnoe rukovodstvo po inzhenerno-geodesicheskim izyskaniyam pri proektirovanii i stroitel'stve gidroelektrostantsii. Pod obshchey red. B.F.Belikova. Moskva, Izd-vo geodez.lit-ry, 1960. 447 p. (MIRA 13:11)
(Hydroelectric power stations) (Geodesy)

BELIKOV, Ye.F., dotsent; VASILENKO, S.S., inzh.; KOLOSOV, B.A., dotsent,
retsensent; VORONIN, V.A., inzh., retsensent; FILONENKO, A.S.,
prof., red.; KHROMCHENKO, F.I., red, izd-va; ROMANOVA, V.V.,
tekhn. red.

[Engineering surveying in planning and constructing hydroelectric
power stations] Inzhenerno-geodezicheskie raboty pri proektirova-
nii i stroitel'stve gidroelektrostantsii. Pod red. A.S. Filonenko.
Moskva, Izd-vo geodez. lit-ry, 1960. 172 p. (MIRA 13:7)
(Surveying) (Hydroelectric power stations)